HV3 pool	1 BAC	2 BACs	3 BACs	Percentage	HV3 pool	1 BAC	2 BACs	3 BACs	Percentage
1	5,707,665	5,397,453	203,396	69.18%	47	2,654,465	2,289,888	84,165	68.55%
2	7,412,182	7,224,679	208,716	71.30%	48	3,451,050	3,034,229	88,907	68.13%
3	7,122,035	7,032,456	210,342	71.51%	49	1,679,069	1,597,943	62,919	63.80%
4	6,097,505	6,210,009	308,579	70.52%	50	4,024,617	3,598,649	170,083	67.60%
5	4,155,937	3,753,010	153,058	70.25%	51	5,253,431	6,011,680	130,077	69.88%
6	7,111,109	6,378,901	193,988	70.95%	52	3,919,110	3,641,468	86,037	69.01%
7	3,716,854	3,162,972	105,988	71.06%	53	4,133,773	4,407,511	168,756	69.96%
8	5,241,445	4,603,032	218,994	71.20%	54	6,220,472	6,084,451	280,569	68.81%
9	5,039,067	5,595,192	198,750	68.11%	55	8,028,682	7,523,656	220,713	69.20%
10	2,959,104	2,617,033	97,239	62.37%	56	3,172,903	2,982,963	80,297	68.34%
11	3,770,578	3,857,924	118,078	71.48%	57	4,080,858	3,944,534	130,627	68.24%
12	3,515,447	3,738,271	82,089	69.11%	58	2,654,715	2,373,371	51,726	70.42%
13	6,888,454	6,009,571	187,779	65.26%	59	7,410,276	6,620,099	195,760	69.98%
14	2,869,142	3,224,217	124,179	70.32%	60	5,273,265	4,776,469	153,016	69.10%
15	2,966,197	2,881,219	135,284	65.74%	61	2,206,444	2,264,909	39,501	70.78%
16	2,867,964	2,590,355	101,086	70.91%	62	3,546,518	3,535,025	83,438	70.30%
17	2,964,886	2,791,077	115,930	65.80%	63	4,995,703	5,125,251	273,626	71.58%
18	2,648,327	2,476,321	73,874	65.04%	64	4,454,925	3,934,635	214,741	69.55%
19	4,267,383	3,810,933	107,386	65.56%	65	7,211,674	6,598,179	284,570	69.36%
20	3,569,784	2,928,244	73,463	70.21%	66	5,477,224	5,734,381	145,932	68.30%
21	3,045,115	2,865,862	58,031	69.95%	67	5,368,020	4,420,260	103,563	69.25%
22	4,225,245	4,197,622	122,568	71.31%	68	3,496,852	3,066,728	107,433	69.33%
23	4,148,662	3,954,947	194,786	72.48%	69	2,974,337	2,678,500	112,662	71.39%
24	2,859,240	2,635,102	75,003	66.67%	70	6,680,195	6,514,717	258,672	71.14%
25	2,677,318	2,503,604	65,904	61.71%	71	1,899,443	2,076,722	70,476	68.99%
26	4,152,115	4,188,072	199,465	65.83%	72	2,131,326	2,091,950	106,565	70.09%
27	4,870,382	5,131,352	122,033	70.14%	73	2,209,899	2,327,000	86,573	70.14%
28	4,601,120	4,690,423	129,649	64.06%	74	2,339,443	2,476,306	110,601	68.16%
29	1,496,992	1,575,520	55,813	63.11%	75	4,486,611	3,584,594	75,017	71.05%
30	689,050	638,725	25,079	42.66%	76	3,339,194	3,199,938	113,511	69.30%
31	2,773,501	2,462,944	74,316	69.45%	77	2,345,758	2,070,358	81,622	69.27%
32	2,177,643	1,821,027	81,966	63.97%	78	3,131,958	3,295,655	69,911	68.57%
33	3,069,249	3,074,086	135,475	66.66%	79	4,250,828	3,754,936	142,775	70.85%
34	1,862,398	1,842,243	59,437	65.93%	80	2,788,524	2,870,574	73,870	69.56%
35	2,952,894	2,592,244	67,450	68.33%	81	3,971,309	3,470,064	67,215	68.97%
36	3,005,815	2,579,780	77,383	70.57%	82	5,794,972	5,722,724	183,505	65.00%
37	3,752,411	3,806,305	106,054	68.19%	83	3,867,556	3,557,021	115,237	69.05%
38	3,540,393	3,709,472	171,186	69.19%	84	3,635,943	3,649,551	145,271	67.27%
39	2,720,022	2,511,969	91,898	65.81%	85	6,249,613	5,734,101	226,693	69.20%
40	1,648,459	1,704,868	48,074	64.46%	86	4,729,766	4,120,351	179,666	71.00%
41	2,137,004	2,082,788	96,377	58.68%	87	7,677,653	6,591,320	210,415	69.56%
42	2,818,344	2,440,948	69,630	68.49%	88	3,095,337	3,005,906	103,344	70.00%
43	3,875,895	4,089,128	125,436	65.50%	89	4,785,482	4,895,828	112,572	69.46%
44	4,114,272	4,373,857	170,411	63.66%	90	3,137,981	3,525,446	141,496	66.61%
45	5,493,829	4,722,889	256,573	65.70%	91	5,279,639	5,057,788	240,976	69.19%
46	6,639,573	6,396,366	173,031	68.85%	**Average**	4,019,284	3,832,007	132,487	68.14%

Table S3: Number of barley HV3 reads per pool deconvoluted to one, two, or three BACs; the percentage column reports the fraction of the total number of reads that were deconvoluted to at least one BAC.